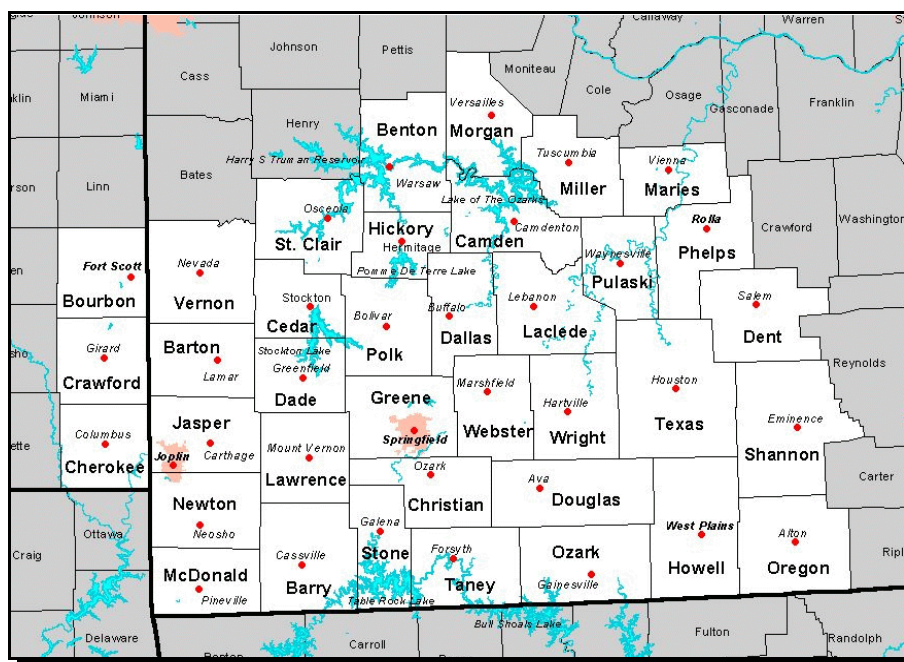
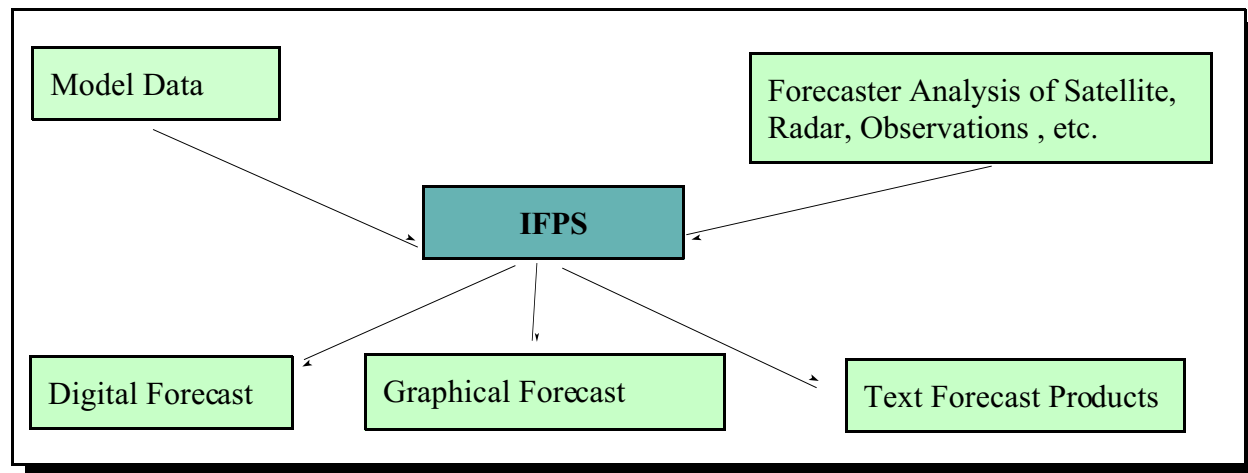


NWS Springfield produces forecast products in text, graphical and digital formats to provide detailed weather forecast for 37 counties across the Missouri Ozarks and extreme southeast Kansas. Our mission at National Weather Service Springfield is to provide detailed and accurate forecasts that will meet a variety of user needs.



The implementation of the Interactive Forecast Process System (IFPS) has revolutionized the way in which forecasts are produced and presented. Forecasts are now produced on a graphical user interface that produces the forecast in a high resolution digital format. IFPS then translates this digital data into text, tabular, and graphical format. Instead of just reading general forecast for a large area, you can now see forecast data for your specific site.



- ➡ <http://www.crh.noaa.gov/sgf/> (Text)
- ➡ <http://www.crh.noaa.gov/ifps/ifps.php?site=sgf> (Graphic al)
- ➡ <http://www.crh.noaa.gov/sgf/products/rdf/zonemap.shtml> (Digital)

Public Forecast Products and Services

Text Forecasts - Zone Forecast Product

The Zone Forecast Product (ZFP) provides forecast weather conditions out to 7 days. Hazardous weather is also highlighted as needed.

The ZFP is issued routinely at approximately 4 AM and 4 PM. Additional updates are issued as needed, when current or expected weather conditions change.

The following elements are included ZFP.

Product	Product ID	WMO Header	Issuance
Zone Forecast Product	STLZFPSGF	FPUS53	as needed

.TODAY...PARTLY CLOUDY. VERY WARM AND HUMID. HIGHS NEAR 90. SOUTH WINDS 5 TO 15 MPH.

.TONIGHT...PARTLY CLOUDY. LOWS NEAR 70. SOUTH WINDS 5 TO 10 MPH.

.MONDAY...PARTLY CLOUDY. A CHANCE OF SHOWERS AND THUNDERSTORMS IN THE AFTERNOON. HIGHS NEAR 90. SOUTHWEST WINDS AROUND 10 MPH. CHANCE OF RAIN 30 PERCENT.

.MONDAY NIGHT...A CHANCE OF SHOWERS AND THUNDERSTORMS EARLY... OTHERWISE PARTLY CLOUDY. LOWS NEAR 70. CHANCE OF RAIN 30 PERCENT.

.TUESDAY...PARTLY CLOUDY. A CHANCE OF SHOWERS AND THUNDERSTORMS IN THE AFTERNOON. HIGHS IN THE UPPER 80S. CHANCE OF RAIN 30 PERCENT.

.TUESDAY NIGHT...PARTLY CLOUDY. LOWS NEAR 70.

.WEDNESDAY THROUGH SATURDAY...PARTLY CLOUDY. A CHANCE OF SHOWERS AND THUNDERSTORMS IN THE AFTERNOON AND EVENING EACH DAY. LOWS NEAR 70 AND HIGHS AROUND 90.

Sky Condition

Forecasts include information about expected sky conditions unless it can readily be inferred from the precipitation forecast.

Probability of Precipitation

The chance of precipitation is given as an areal qualifier or expression of uncertainty which correlates to a percentage.

Probability	Areal Qualifier (Convective only)	Expression of Uncertainty
Near 0 %	none used	none used
10 %	none used	none used
20 %	isolated	slight chance
30 - 40 %	scattered	chance
50 %	scattered	chance
60 - 70 %	numerous	likely
80 - near 100 %	occasional, periods	none used

Temperature

Zone forecasts will indicate the expected maximum and minimum temperatures for day and night periods, and when appropriate, a statement of the trend of temperature change. The use of descriptive terms and phrases, such as mild, hot, much colder are used to highlight conditions.

Term	Predominant sky condition
Cloudy	8/8 opaque clouds
Mostly cloudy / Considerable Cloudiness	6/8 to 7/8 opaque clouds
Partly Cloudy	3/8 to 5/8 opaque clouds
Mostly Clear / Mostly Sunny	1/8 to 3/8 opaque clouds

Wind

Wind direction and speed will be included in the first three periods of zone forecasts and may be included in later periods if considered significant. Wind shifts, changes in wind speed, and peak wind gusts are also forecast.

Sustained Wind Speed	Descriptive Term
0 - 5 mph	Light and Variable
5 - 15 mph	None
15 - 25 mph	Breezy (mild weather) Brisk (cold weather)
20 - 29 mph	Windy
30 - 40 mph	Very Windy

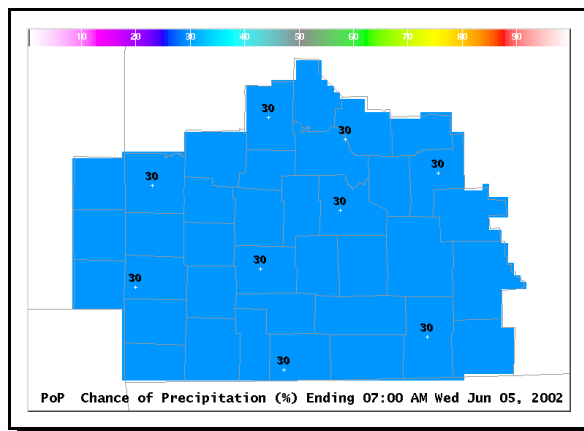
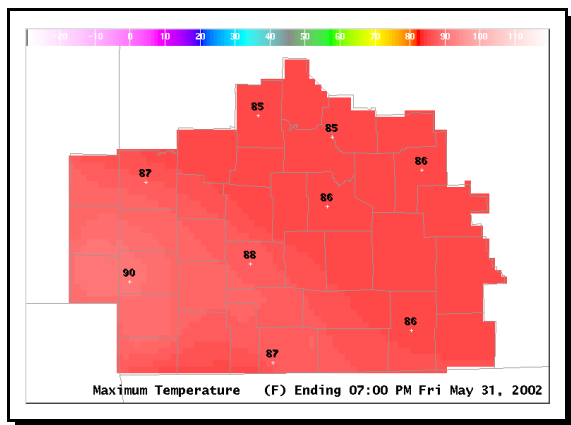


Public Forecast Products and Services

Public Forecast Products and Services

Graphical Forecasts

The graphical format of the forecasts provides the user the means of determining the value of a given forecast element for a specific point. The graphical forecast maps are produced for a variety of meteorological parameters.



<http://www.crh.noaa.gov/sgf/gfe/gfe.shtml>

Miscellaneous Products and Summaries

Short Term Forecasts

The Short Term Forecast (NOW) or NOWCAST provides detailed and concise weather information during active and changing weather conditions. NWS Springfield issues NOW s on a 1 to 3 hour basis during significant weather events.

The Short Term Forecast is for anyone who wants to stay up to date on significant weather conditions. This product details the location, intensity, and movement of rain, snow, and thunderstorms and highlights potential hazards such as flooding, hail, and high winds.

Product	Product ID	WMO Header	Issuance
Short Term Forecast	STLNOWSGF	FPUS73	as needed

<p>ZCZC STLNOWSGF FPUS73 KSGF 292200</p> <p>SHORT TERM FORECAST NATIONAL WEATHER SERVICE SPRINGFIELD MO 454 PM CDT SAT JUN 29 2002</p> <p>KSZ073-097-101-MOZ055>058-066>071-077>083-088>098-101>106-292300-BARRY-BARTON-BENTON-BOURBON KS-CAMDEN-CEDAR-CHEROKEE KS-CHRISTIAN-CRAWFORD KS-DADE-DALLAS-DENT-DOUGLAS-GREENE-HICKORY-HOWELL-JASPER-LACLEDE-LAWRENCE-MARIES-MCDONALD-MILLER-MORGAN-NEWTON-OREGON-OZARK</p> <p>PHELPS-POLK-PULASKI-SHANNON-ST. CLAIR-STONE-TANEY-TEXAS-VERNON-WEBSTER-WRIGHT- INCLUDING THE CITIES OF...AVA...BOLIVAR...BRANSON...CAMDENTON... EMINENCE...FORT LEONARD WOOD...FORT SCOTT...HOUSTON...JOPLIN... LEBANON...MONETT...MOUNT VERNON...NEOSHO...NEVADA...OZARK... PITTSBURG...ROLLA...SPRINGFIELD...STOCKTON...WEST PLAINS 454 PM CDT SAT JUN 29 2002</p> <p>.NOW... ISOLATED SHOWERS AND THUNDERSTORMS CONTINUES OVER NORTHERN BARRY...NORTHERN PULASKI AND SOUTHERN OZARK COUNTIES MOVING NORTHWEST AT 20 MPH. IN STRONGER STORMS...EXPECT BRIEF HEAVY AND GUSTY WINDS. THE ISOLATED THUNDERSTORM ACTIVITY SHOULD END AROUND 10 PM.</p>
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Public Products & Services

Area Forecast Discussion

The Area Forecast Discussion (AFD) is a meteorological discussion about the weather across the region. The AFD explains the technical and scientific basis for the forecast to internal and external users of NWS forecast products.

The AFD is for those with an interest in the weather and desire to have a deeper understanding of the meteorological processes that goes into forecasting the weather across the Ozarks.

The AFD is issued at approximately 3 AM and 3 PM daily with updates issued during significant weather changes.

Product	Product ID	WMO ID	Issuance
Area Forecast Discussion	STLAFDSGF	FXUS63	0300, 1500, updates

ZCZC STLAFDSGF
FXUS63 KSGF 010648

AREA FORECAST DISCUSSION
NATIONAL WEATHER SERVICE SPRINGFIELD MO
145 AM CDT MON JUL 1 2002

PRIMARY FORECAST CONCERN CONTINUES TO BE RAIN CHANCES.

DEEPER MOISTURE ASSOCIATED WITH THE UPPER LOW OVER TEXAS STILL TRYING TO PUSH NORTHWARD INTO THE AREA EARLY THIS MORNING. RADARS SHOWED SHOWERS UP INTO NORTHWEST ARKANSAS AND NORTHEAST OKLAHOMA WITH SOME INCREASE IN ACTIVITY IN THE TULSA AREA.

FOR TODAY...MOISTURE PLUME SHOULD CONTINUE TO GRADUALLY WORK NORTH AS THE UPPER LOW STRETCHES NORTHWARD. SOUTHEAST KANSAS AND FAR SOUTHWEST MISSOURI STAND THE BEST CHANCE OF SEEING SCATTERED SHOWERS. CLOSE PROXIMITY OF THE UPPER HIGH OVER ILLINOIS SHOULD INHIBIT SHOWER DEVELOPMENT FARTHER EAST OVER SOUTH CENTRAL MISSOURI SO WILL REMOVE RAIN CHANCES THERE. CLOUDS WILL TAKE A COUPLE OF DEGREES OFF HIGHS NEAR THE KANSAS BORDER BUT WILL GO CONSIDERABLY ABOVE MAV GUIDANCE.

PRECIPITATION CHANCES OVER THE NEXT COUPLE OF DAYS WILL BE DEPENDENT OF THE EVOLUTION OF THE UPPER LOW. THE AVN TENDS TO KEEP THIS SYSTEM FARTHER EAST AS IT BEGINS TO SHEAR OUT WHILE THE ETA IS FARTHER WEST. IN ANY CASE THE CHANCE OF RAIN WILL BE MAINLY CONFINED TO OUR WESTERN COUNTIES AND WILL ADJUST RAIN CHANCES ACCORDINGLY.

THE UPPER HIGH IS PROGGED TO EXPAND OVER THE REGION LATE IN THE WEEK.

Area Weather Summary

The Area Weather Summary (AWS) is issued three times a day. This product summarizes past weather (up to 12 hours back), present weather, and general forecast conditions.

The AWS includes a brief narrative of past and current weather with a mention of highs, lows, severe weather occurrences, and precipitation amounts, a brief synopsis of current and forecast weather conditions using nontechnical terms.

The AWS is issued at approximately 5 AM, 10 AM and 9 PM daily.

Product	Product ID	WMO Header	Issuance
Area Weather Summary	STLAWSSGF	AWUS43	0500, 1000, 1700

ZCZC STLAWSSGF
AWUS43 KSGF 291340

AREA WEATHER SUMMARY
NATIONAL WEATHER SERVICE SPRINGFIELD MO
840 AM CDT SAT JUN 29 2002

ANOTHER WARM AND MUGGY MORNING PREVAILED ACROSS THE MISSOURI OZARKS AND SOUTHEAST KANSAS EARLY SATURDAY. UNDER MOSTLY CLEAR SKIES...MID MORNING TEMPERATURES WERE IN THE MID TO UPPER 70S.

WARM AND HUMID CONDITIONS WILL CONTINUE ACROSS THE AREA TODAY WITH HIGHS CLIMBING TO NEAR 90 DEGREES. THE WARM TEMPERATURES... COMBINED WITH HIGH HUMIDITY...WILL CAUSE HEAT INDEX VALUES TO CLIMB INTO THE UPPER 90S. DRINK PLENTY OF WATER AND TAKE FREQUENT BREAKS IF EXERCISING OUTDOORS.

THE WARM AND MOIST AIRMASS WILL ALSO CAUSE ISOLATED THUNDERSTORMS TO DEVELOP THIS AFTERNOON AND EVENING. ANY STORMS THAT DEVELOP WILL PRODUCE FREQUENT LIGHTNING AND GUSTY WINDS. SEEK INDOOR SHELTR FROM STORMS IF OUTDOORS THIS AFTERNOON AND EVENING. LITTLE CHANGE IS EXPECTED IN OUR WEATHER PATTERN OVER THE NEXT FEW DAYS. TYPICAL SUMMER HEAT AND HUMIDITY WILL CONTINUE ALONG WITH A